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The present structure, which is of concrete, stone, and brick, has a fully finished basement besides two full stories and a finished third story over the center and larger portion of the building. The present laboratory accommodations for 16 investigators can be extended by conversion of other rooms into laboratories. A well-lighted library, chemical laboratory, photographic room, museum, tank and aquarium rooms are other useful features of the building.

The architect of the building is James M. White, professor of architecture and supervising architect of the University of Illinois, who freely gave his professional services to the national government.

EXPEDITIONS OF THE BISHOP MUSEUM

THREE parties of the Bayard Dominick Expedition from the Bishop Museum are now in the field. The Marquesas Island party consists of Dr. Edward S. Handy, ethnologist; Dr. Ralph Lauton, archeologist; Dr. Forest B. H. Brown, botanist. E. W. Gifford and Wm. C. McKern are conducting an ethnographic survey of the Tonga Islands. R. T. Aitken and John F. G. Stokes, ethnologists, are undertaking an anthropological study of the Austral Island group. Two additional botanists are to be appointed in October.

The scope of the cooperative work of the American Museum of Natural History and the Bishop Museum, under the direction of Dr. L. R. Sullivan, has been expanded to include a comprehensive anthropologic survey of the people of the Hawaiian Islands. It will include studies of the Hawaiians, Japanese, Chinese, Portuguese, Koreans and Anglo-Saxons. Particular attention will be given to full blood and mixed blood Hawaiians and to skeletal remains in ancient burial caves.

It is announced that the Young Collection of Polynesian ethnological material, the result of twenty years' work in the society, Marquesas, Easter and Paumotu Islands by J. L. Young, has been obtained by the Bishop Museum.

SCIENTIFIC NOTES AND NEWS

SIR F. W. DYSON, astronomer royal, Greenwich, has been elected an honorary member of the American Astronomical Society.

PROFESSOR T. D. A. COCKERELL, of the University of Colorado, has been elected an honorary fellow of the American Museum of Natural History in recognition of his distinguished services to science.

DR. WILLIAM MANSFIELD CLARK, physical and biological chemist at the Dairy Division, Bureau of Animal Industry, U. S. Department of Agriculture, has become head of the chemical division of the Hygienic Laboratory.

DR. AMADEUS W. GRABAU, for eighteen years professor of paleontology at Columbia University, has been called by the Chinese government to a professorship at the University of Peking. He also has been appointed a member of the Chinese Geological Survey. Dr. Grabau will remain for three years in China to build up geological research work for the Chinese government.

MR. JAMES T. NEWTON, commissioner of patents, has resigned, after thirty years of service in the Patent Office.

MR. LESLIE SPIER, assistant in anthropology in the American Museum, has been appointed associate curator of the museum of the department of anthropology in the University of California.

DR. RODNEY B. HARVEY, formerly plant physiologist in the Division of Plant Physiological Investigations, Bureau of Plant Industry, who resigned to accept the position of assistant professor of plant physiology in the University of Minnesota and assistant plant physiologist in the Minnesota Experiment Station, has been retained on the rolls of the bureau as collaborator under a cooperative arrangement.

MR. HOYT S. GALE, who recently returned from Bolivia, has resigned from the U. S. Geological Survey, to take up private work.

BENJAMIN RICHARD JACOBS has resigned from the Bureau of Chemistry, U. S. Department of Agriculture, to become director of the

National Cereal Products Laboratories, with offices in Washington, D. C.

PROFESSOR HAROLD R. HAGAN has resigned as professor of zoology and entomology at the Utah Agricultural College.

DR. CHARLES E. SIMON, professor of clinical pathology at the University of Maryland, has severed his connection with that institution and has accepted the position of a lecturer at the School of Hygiene and Public Health of the Johns Hopkins University. He has also been appointed managing editor of the forthcoming *American Journal of Hygiene*, of which Dr. William H. Welch is the editor in chief.

THE Mary Kingsley medal has been conferred on Professor G. B. Grassi, professor of comparative anatomy at the University of Rome, for his research on the transmission of malaria by mosquitoes and the development of the hematozoa in the mosquito body.

PROFESSOR J. B. FARMER, professor of botany in the Imperial College of Science and Technology, London, has been appointed a member of the advisory council to the Committee of the Privy Council for Scientific and Industrial Research.

MR. B. B. WOODWARD has retired from the British Museum (Natural History) but will complete his catalogue of the natural history library.

PROFESSOR HERBERT E. GREGORY, who by a cooperative agreement with Yale University is serving as director of the Bishop Museum, Honolulu, has returned to New Haven and will resume his university work for the first half of the present academic year.

DR. S. I. FRANZ, of George Washington University and the Government Hospital for the Insane, represented the American Association for the Advancement of Science at the recent Cardiff meeting of the British Association. The General Committee has resolved that national associations for the advancement of science shall in future be invited to send representatives to meetings of the British Association.

W. S. KEW, on leave of absence from the U. S. Geological Survey, has left California for private work in Sonora, Mexico.

L. W. STEPHENSON has returned from Mexico and is acting chief of the Coastal Plains section of the U. S. Geological Survey, during the absence of T. Wayland Vaughan who attended the Pan-Pacific Scientific Conference in August and is spending the rest of the summer in study and correlation of the marine Tertiary strata of the Pacific coast.

DR. F. W. TRAPHAGEN, professor of metallurgy in the Dakota School of Mines, has returned to Rapid City, South Dakota, after spending the summer in metallurgical research work for the Denver Metals Co., at their plant at Utah Junction, Colo.

DR. LEWIS WM. FETZER has resigned as professor of physiology and pharmacology in the Baylor University College of Medicine, to take charge of the laboratories of St. Paul Sanitarium at Dallas, Texas.

A COMMITTEE was organized in 1910 to collect funds for a monument to Lombroso. The committee had concluded its task when the war broke out but the execution of the monument was deferred. The *Journal* of the American Medical Association states that the matter has been taken up again and it has been found that the funds collected are inadequate for the purpose now. So the committee appeals for more donations. They can be sent to Professor Enrico Ferri at Rome. The sculptor is at work on the monument which will be unveiled at Verona in the spring of 1921.

ERIC DOOLITTLE, professor of astronomy in the University of Pennsylvania and director of the Flower Observatory died on September 21, from heart disease at the age of fifty years. Professor Doolittle succeeded his father the late Charles L. Doolittle in the directorship of the Flower Observatory in 1915.

SAMUEL SHELDON, for thirty-one years professor of physics and electrical engineering at the Brooklyn Polytechnic Institute, died on September 4 at the age of fifty-eight years.

MR. ARTHUR JACKSON ELLIS, geologist in the Water Resources Branch of the U. S. Geological Survey, died on July 22, 1920.

THE death of Charles N. Forbes, for twelve years curator of botany on the staff of the Bishop Museum, occurred on August 8.

DR. GEORGE MOREWOOD LEFFERTS, a retired specialist in throat diseases, emeritus professor of the College of Physicians and Surgeons, Columbia University, where he was a member of the faculty from 1874 to 1904, died on September 21 at the age of seventy-four years.

KARL HERMANN STRÜVE, director of the Berlin-Babelsberg Observatory, and professor of astronomy in the Berlin University, died on August 12.

WE learn from *The Observatory* of the death of Mrs. Frametta Wilson, who was one of the five women pioneers admitted as fellows of the Royal Astronomical Society in 1916, and was later elected a member of the council. Mrs. Wilson had been awarded the "Edward C. Pickering Astronomical Fellowship for Women" for the college year 1920-21 had been assigned by the Harvard College Observatory.

DR. J. PIERRE MORAT, formerly professor of physiology at the Lyons medical faculty, has died at the age of seventy-five years.

THE British Thomson-Houston Company has decided to establish two scholarships, one of which will be allotted to Cambridge. It proposes to select from the engineering graduates of that university who have worked with the firm for not less than six months a scholar who will be sent to their American associates, the General Electric Company. The company proposes to allow for the student's expenses for one year an equivalent of \$1,800 dollars. After a year's study in America he will be expected to return to the British company.

COLUMBIA UNIVERSITY, beginning with the autumn term, will offer in cooperation with Rutgers College and the State University of New Jersey a regular four years' course in agriculture leading to the degree of bachelor of science. The first two years will be given

chiefly at Columbia and the second two years at Rutgers. The student who completes the course will receive his degree from Rutgers College. The requirements for admission are the same as those for Columbia College. Students are urged to spend at least a year on a well organized farm before entering Columbia. Working on farms during summer vacations approximates satisfactory farm experience.

UNIVERSITY AND EDUCATIONAL NEWS

THE first section of the new engineering shops which are being constructed at Camp Randall for the College of Engineering of the University of Wisconsin will be ready for occupancy about the first of the second semester. This building is the first step towards moving some of the engineering work to Camp Randall and it will relieve the overcrowded conditions resulting from the heavy enrollment in the College of Engineering since the close of the war.

DR. WILLIBALD WENIGER, formerly head of the department of physics, who left six years ago to engage in research work at the Nela Research laboratory of the National Electric Lamp Division of the General Electric Company, Cleveland, Ohio, has returned to his former position in the Oregon Agricultural College. At this institution Dr. Floyd E. Rowland, assistant professor of chemistry in the University of Kansas, has been appointed head of the department of chemical engineering, and Dr. Nathan Fasten, of the University of Washington, has been appointed associate professor of zoology. Dr. S. M. Zeller, assistant professor of plant pathology has been promoted to be associate professor in charge of orchard disease investigation.

DR. PHILIP HADLEY, formerly professor of bacteriology at the Rhode Island State College and biologist at the Agricultural Experiment Station, has received appointment on the faculty of the department of bacteriology and hygiene, school of medicine, University of Michigan.